

UNIVERSITY OF CALIFORNIA

404805

LOS ALAMOS SCIENTIFIC LABORATORY
(CONTRACT W-7405-ENG-36)
P. O. Box 1663
LOS ALAMOS, NEW MEXICO

IN REPLY
REFER TO: H-4

February 24, 1953

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Dr. John C. Bugher
Director, Division of Biology and Medicine
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Dr. Bugher:

Four items have come out of the Health Division at Los Alamos that you may like to consider for the Tri-Partite Conference. These are as follows:

1. One concerns additional information with regard to plutonium. As you know, Dr. Hempelmann and I have started a project to get follow-up physical examinations on 27 of the Los Alamos plutonium exposure cases. The first examination will be complete by the time of the meeting. I would like to suggest that Dr. Hempelmann be placed on the program to discuss these results.
2. If you feel a review of the tritium tolerance is worthwhile, we now have much additional information which has direct bearing on the tritium hazard.
3. We have also collected at this laboratory much information on the relative biological effects of thermal neutrons.
4. We also have available now the final report of the hematological changes in the Bayo Canyon workers who have received small doses of radiation for a period of four and one-half years. As you may recall, this is the very controversial paper in which ten individuals exposed for four and one-half years to sub-tolerance doses have shown a decrease in lymphocytes which seems to be statistical. This could conceivably be of interest to the committee.

I plan to attend the meeting and will be glad to participate in any of the above discussions.

Sincerely yours,

Wright B. Langham
Wright B. Langham

WHL/m

cc: Dr. T. L. Shipman

ORGANIZATION & MANAGEMENT

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